Indigenous Satellite Technology

†3943. PROF. R.B.S. VARMA: Will the PRIME MINISTER be pleased to state:

(a) whether it is a fact that the satellites launched by the India into space were based on foreign technology;

(b) if so, the details thereof;

(c) whether Government propose to launch the satellites on its own technology;

(d) if so, the details thereof; and

(e) by when, these satellites are likely to be launched?

THE MINISTER OF STATE OF THE DEPARTMENT OF SPACE (SHRIMATI VASUNDHARA RAJE): (a) No, Sir. The design, development, fabrication, integration and testing of the satellites launched so far have been carried out indigenously.

(b) Does not arise.

(c) and (d) Yes, Sir. Currently, the work is in progress in respect of the following 8 satellites:

1.	GSAT-2	Experimental communication satellite.
2.	METSAT-1	Meteorological satellite.
3.	INSAT-3A	Multi-purpose satellite for communication, broadcasting and meteorological services.
4.	INSAT-3D	Advanced meteorological satellite.
5.	INSAT-3E	Communication & Broadcasting.
6.	RESOURCESAT-1	Natural Resource Survey applications.
7.	CARTOSAT-1&2	Cartographic applications.

(e) These satellites are targetted for launch during 2002-04 time-frame.

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† Original notice of the Question was received in Hindi.